

WHAT IS CLAIMED IS:

1. An image communication apparatus comprising:
a selector, arranged to select an image
transmission method;
5 a converter, arranged to perform color space
conversion corresponding to the selected transmission
method for an image to be transmitted;
an encoder, arranged to encode the image subjected
to the color space conversion; and
10 a transmitter, arranged to transmit the encoded
image by the selected transmission method.
2. The apparatus according to claim 1, wherein said
selector can select at least one of a method of
transmitting an image by facsimile and a method of
15 transmitting an image by attaching the image to e-mail.
3. The apparatus according to claim 2, wherein when
the method of transmitting an image by facsimile is
selected, said converter converts the color space of an
image to be transmitted into a CIE Lab color space.
- 20 4. The apparatus according to claim 2, wherein when
the method of transmitting an image by attaching the
image to e-mail is selected, said converter converts the
color space of an image to be transmitted into a YCbCr
color space.
- 25 5. The apparatus according to claim 1, wherein said
encoder performs JPEG coding.

6. The apparatus according to claim 2, wherein said transmitter comprises:

a modulator, arranged to modulate a signal on the basis of the encoded image when the method of

5 transmitting an image by facsimile is selected; and

a generator, arranged to generate e-mail data containing the encoded image when the method of transmitting an image by attaching the image to e-mail is selected.

10 7. The apparatus according to claim 6, wherein said transmitter further comprises:

a PCM encoder, arranged to encode the modulated signal by PCM when the method of transmitting an image by facsimile is selected; and

15 a sender, arranged to send a PCM code to a digital communication line and send e-mail data to the Internet.

8. The apparatus according to claim 1, further comprising a reader, arranged to read an image to be transmitted from an original and output an

20 RGB-color-space image.

9. The apparatus according to claim 1, further comprising an inputter, arranged to input an image recorded in a memory medium as an image to be transmitted.

25 10. An image communication method comprising the steps of:

manually selecting an image transmission method;
performing color space conversion corresponding to
the selected transmission method for an image to be
transmitted;

5 encoding the image subjected to the color space
conversion; and

transmitting the encoded image by the selected
transmission method.

11. A computer program product comprising a computer
10 readable medium having a computer program code, for an
image communication method, comprising process procedure
code for:

manually selecting an image transmission method;
performing color space conversion corresponding to
15 the selected transmission method for an image to be
transmitted;

encoding the image subjected to the color space
conversion; and

transmitting the encoded image by the selected
20 transmission method.

12. An image communication apparatus comprising:
a selector, arranged to select an image
transmission destination;

a converter, arranged to perform color space
25 conversion corresponding to the selected transmission
destination for an image to be transmitted;

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an encoder, arranged to encode the image subjected to the color space conversion; and

a transmitter, arranged to transmit the encoded image by a transmission method corresponding to the
5 selected transmission destination.

13. The apparatus according to claim 12, wherein the transmission method includes at least a method of transmitting an image by facsimile and a method of transmitting an image by attaching the image to e-mail.

10 14. The apparatus according to claim 13, wherein when the selected transmission destination corresponds to the method of transmitting an image by facsimile, said converter converts the color space of an image to be transmitted into a CIE Lab color space.

15 15. The apparatus according to claim 13, wherein when the transmission destination corresponds to the method of transmitting an image by attaching the image to e-mail, said converter converts the color space of an image to be transmitted into a YCbCr color space.

20 16. The apparatus according to claim 12, wherein said encoder performs JPEG coding.

17. The apparatus according to claim 13, wherein said transmitter comprises:

a modulator, arranged to modulate a signal on the
25 basis of the encoded image when the transmission destination corresponds to the method of transmitting an

image by facsimile; and

a generator, arranged to generate e-mail data containing the encoded image when the transmission destination corresponds to the method of transmitting an image by attaching the image to e-mail.

18. The apparatus according to claim 17, wherein said transmitter further comprises:

a PCM encoder, arranged to encode the modulated signal by PCM when the transmission destination corresponds to the method of transmitting an image by facsimile; and

a sender, arranged to send a PCM code to a digital communication line and send e-mail data to the Internet.

19. The apparatus according to claim 12, further comprising a reader, arranged to read an image to be transmitted from an original and output an RGB-color-space image.

20. The apparatus according to claim 12, further comprising an inputter, arranged to input an image recorded in a memory medium as an image to be transmitted.

21. An image communication method comprising the steps of:

manually selecting an image transmission destination;
performing color space conversion corresponding to

the selected transmission destination for an image to be transmitted;

encoding the image subjected to the color space conversion; and

5 transmitting the encoded image by a transmission method corresponding to the selected transmission destination.

22. A computer program product comprising a computer readable medium having a computer program code, for an
10 image communication method, comprising process procedure code for:

manually selecting an image transmission destination;

performing color space conversion corresponding to
15 the selected transmission destination for an image to be transmitted;

encoding the image subjected to the color space conversion; and

transmitting the encoded image by a transmission
20 method corresponding to the selected transmission destination.